



TETRA TECH

240 Continental Drive, Suite 200
Newark, DE 19713
Tel: 302-738-7551
Fax: 302-454-5989

Addendum No. 1 (Re-Bid)

Sussex Correctional Institution Programs Building HVAC & Electrical Upgrades
OMB/DFM/DOC Contract No: MC380400068

Tt Project No. 200-26912-14006

Addendum No. 1 (Re-Bid)
to
Drawings and Project Manual

June 23, 2015

To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:

Original DRAWINGS dated June 22, 2015,
PROJECT MANUAL dated June 22, 2015, and

Acknowledge receipt of the ADDENDUM in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of one (1) pages and the following:

CHANGES TO PROJECT MANUAL

- 1.1 Spec Section 00 01 15: List of Drawings
 - A. **DELETE** "Original list of Drawings" and **REPLACE** with "revised list of drawings" attached to this addendum.
- 1.2 Spec Section 00 11 13: Invitation to Bid.
 - A. 2nd Paragraph, **ADD** the "Installation of an Energy Recovery Unit" to the Project description.
- 1.3 Spec Section 01 35 53: Security Procedures
 - A. Article 1.06; General Requirements; Paragraph I
 - 1. **CHANGE** "2:45pm" to read "2:30pm". Contractors must be cleaned up and ready to exit the Facility by 2:30pm.
 - B. Article 1.08; Site Security
 - 1. Subparagraph 1: **DELETE** the 3rd sentence in its entirety.
Contractors will not be issued "a State Photo I.D."
 - 2. Subparagraph 21; Item e: **ADD** "Plastic only" to the sentence.

NEW DRAWINGS

None

PROJECT MANUAL MODIFICATIONS

None

CLARIFICATIONS FROM THURSDAY, APRIL 30, 2015 WALK THRU AND SITE VISIT FROM THE ORIGINAL BID.

- 1.10 Questions regarding digging and boring around and under the fence line.
 - A. 1 inch thick Steel plates may be used in lieu of backfilling the excavations on both sides of the fence for the installation of underground piping and conduit. Steel plate must overlap the undisturbed earth by 4 feet on three (3) sides assuming the fourth side is against the fence itself, otherwise it must overlap on all four (4) sides.
- 1.11 Lifting of items over the fence line is still prohibited (not allowed).
- 1.12 Electrical Power from the Chiller to the Electrical Room can be ran in the ground outside the building. Contractor shall be responsible to hire a 3rd Party Site Utility Locator and be responsible to repair any damages. Under this approach Work has to be directionally bored.
- 1.13 Swing space will be available during construction. Work will be performed in one (1) dormitory at a time. Occupants will not be returning to their beds after each work day.

CLARIFICATIONS/REQUESTS FOR INFORMATION

- 1.14 Schlosser & Associates, Inc. e-mail dated 4/29/15
 - A. Drawing M-001, New Work Note # 7, states to clean and sanitize all remaining existing duct.
 - 1. There is no specification section for duct cleaning to outline the extent of or standards to be followed for this process.

Response: Duct Cleaning Specifications are already are noted in Spec Section 23 31 13; Metal Ducts, Article 3.6; Duct Cleaning.
 - 2. Are there any (duct cleaning) certifications required of the provider of this service? (NADCA, etc.)

Response: Yes, Duct Cleaning must follow NADCA Standards. Duct Cleaners and Superintendents must be NADCA certified. Provide Certifications with the Bid Form.
 - 3. What exactly are the standards of sanitation you are looking for, and/or what procedures are to be followed for the duct cleaning?

Response: NADCA Standards are to be followed. As of now there is no 3rd Party Certification or testing.
 - 4. Can we add "Duct Cleaning" to the Subcontractor Listing to ensure that the above standards/procedures are followed, and that the vender qualifications for this work are met?

Response: Yes, done.

END OF ADDENDUM 01 – Re-Bid

Attachments:
Prebid Meeting Report
Prebid sign in sheet
Bid register
List of Drawings
Johnson Controls Pre-Purchase Equipment Proposal dated April 17, 2015

Pre-Bid Meeting Record (Re-Bid)

Meeting Date: Monday, June 22 at 10:00 am

Publication Date: June 25, 2015

Prepared By: Scott D. Parlow, P.E.

Tt Project No.: 200-26912-14006

Regarding: Sussex Correctional Institution Programs Building HVAC & Electrical Upgrades
OMB/DFM/DOC Contract No: MC3804000068 (Re-Bid)

Attendees

J. Dean Seely	OMB/DFM/DOC Project Manager	302-739-5644	joseph.seely@state.de.us
Robert Robinson	OMB/DFM/DOC Project Manager	302-739-5644	robert.j.robinson@state.de.us
Eric Smeltzer	DOC Capital Programs Admin	302-857-5261	eric.smeltzer@state.de.us
Ron Zawora	SCI Maintenance Superintendent	302-856-5865	Ronald.zawora@state.de.us
Richard W. Ward	SCI Maintenance Foreman	302-856-5266	Richardw.ward@state.de.us
Steve Dennis	Schlosser & Associates, Inc.	302-738-7333	steved@schlosserandassociates.com
John Dunbar	Joseph T. Richardson Inc.	302-398-8101	john@jtrmech.net
Jeff White	Joseph M. Zimmer, Inc	410-546-5700	Jeff.white@jmz.com
Bill McLaughlin	EmJay Engineering & Construction Co., Inc.	302-479-5999	McLaughlinB@emjaycons.com
Rob Rettig	Merit Mechanical, Inc.	302-366-8601	Rob@meritmech.com
Scott D. Parlow PE	Tetra Tech, Inc.	302-738-7551	scott.parlow@tetratedch.com

Additional Distribution

Greg Christian	DOC Facilities Maint. Manager	302-739-5601	greg.christian@state.de.us
----------------	-------------------------------	--------------	--

Item

Item

1. A Mandatory Pre-Bid Meeting for the above referenced project was held in the SCI Maintenance Building at the Sussex Correctional Institution in Georgetown, Delaware on Monday, June 22, 2015 at 10:00 am. Those in attendance are noted above.
2. Sealed bids for this project will be received by the State of Delaware, Office of Management & Budget, Division of Facilities Management, in the reception area of DFM Suite 100; 3rd Floor at the Thomas Collins Building, 540 South DuPont Highway, Dover, Delaware, until 2:00 p.m. local time on Wednesday July 8, 2015, at which time they will be publically opened, read aloud, and recorded. Bidders bear the risk of late delivery. Any bids received after the stated time will be returned unopened.
3. This is a mandatory Pre-Bid Meeting and Prime Bidders are limited to those in attendance.
4. **PMN:** An Additional Site Walk Through for the Subcontractors has been scheduled for Tuesday, June 30, 2015 at 9:00 am at the site. Contractors shall inform the SCI Maintenance Superintendent of their intentions

and meet at the SCI Maintenance Building.

5. For further bidding information relating to the bid and signature forms, the Contractors are directed to contact J. Dean Seely, OMB/DFM/DOC Project Manager at Joseph.Seely@state.de.us.
6. The Wage Rates for this project shall be as determined by the Delaware Department of Labor and Division of Industrial Affairs for Sussex County. A certified copy has been included in the Project Manual. However, Contractors are responsible to contact the Delaware Department of Labor to receive verification of the most current Wage Rate Scale.
7. A general review of the Project Manual was performed. The following specification sections were reviewed.

<u>Section</u>	<u>Article</u>	<u>Title</u>
00 11 13	--	Advertisement for Bids
00 21 13	1.1	Definitions
	1.10	Addenda
	1.15	Alternate Bid
	1.16	Unit Price
	2.0	Bidder's Representation
	2.1	Pre-Bid Meeting
	3.0	Bidding Documents
	3.1	Copies of Bid Documents
	3.2	Interpretation or Correction of Bidding Documents
	3.3	Substitutions
	3.4	Addenda
	4.0	Bidding Procedures
	4.1	Preparation of Bids
	4.2	Bid Security
	4.3	Subcontractor List
	4.5	Prevailing Wage Requirements
	4.6	Submission of Bids
	7.0	Performance Bond & Payment Bond
	7.1	Bond Requirements
00 22 13a	1.2	Qualifications of Bidders
	1.5	Contract Time
	1.6	Representation of Bidders
	1.7	Interpretations
	1.8	Substitutions
	1.9	Wage Rates
	1.10	Start of work
	1.12	Cost of Contract Documents
00 30 00	--	Bid Form
00 41 13	--	Bid Bond Form
00 52 13	AIA 101-2007	Standard Form of Agreement Between Owner & Contractor
00 61 13.13	--	Performance Bond Form
00 61 13.16	--	Payment Bond Form
00 62 76	AIA G702	Application & Certification for Payment
	AIA G703	Continuation Sheet

	AIA G701	Sample Change Order
	AIA G704	Sample Certificate of Substantial Completion
	AIA G706	Sample Contractor's Affidavit of Payment of Debts and Claims
	AIA G706A	Sample Contractor's Affidavit of Release of Liens
	AIA G707	Sample Consent of Surety to Final Payment
	AIA G710	Sample Architect's Supplemental Instructions
	AIA G714	Sample Construction Change Directive
00 72 13	AIA 201-2007	General Conditions for the Contract for Construction
00 73 13	1.0	Supplementary General Conditions
	1.2	Correlation and Intent of the Contract Documents
	3.5	Warranty
	3.11	Documents and Samples at the Site
	9.2	Schedule of Values
	9.3	Applications for Payment
00 73 46	--	State of Delaware Wage Rate Schedule
00 81 13	1.0	General Contracting Requirements
	3.1	Schedules of Values
	3.11	State License and Tax Requirements
	5.1	Subcontracting Requirements
	5.2	Penalty for Substitution of the Contract
	7.0	Changes in the Work
	8.1	Time
	9.1	Application for Payment
	13.6	Warranty
00 82 13	1.3	Work Included
	1.4	Work Not included
	1.5	Security
	1.7	Drawings & Specifications
	1.8	Continuity of Services
	1.10	Responsibility for Damage and Care of State Property
	1.16	Guarantee
	1.17	As-Built Drawings
01 10 00	1.0	Summary- General
	1.3	Work Covered by Contract Documents
01 21 00	3.3	Schedule of Allowances
01 31 00	1.0	Project Management and Coordination-General
	1.5	Project Meetings
01 31 20	1.0	Payroll Reports – General
	1.4	Payroll Reports
01 33 00	1.1	Submittal Procedures – General
	1.4	Submittal Schedule
	2.2	Electronic Submittal Procedures
	2.3	Non-electronic Submittal Procedures
01 35 53	1.0	Security Procedures- General
	1.05	Personnel Identification and Background Check
	1.06	General Requirements
	1.07	Special Requirements
	1.08	Site Security
	1.10	Responsibility for Damage and Care of State Property – General

	4.0	Daily Contractor Tool and Equipment Inventory
	4.01	Contractor Tool/Equipment Form
01 74 19	1.0	Construction Waste Management – General
	1.3	Submittals
	1.6	Waste Management Plan
01 77 00	1.3	Substantial Completion
	1.4	Final Completion
	1.5	List of Incomplete Items (Punchlist)
	1.6	Project Record Documents
	3.3	Summary of Closeout Documents
23 00 00	1.0	General Requirements, Mechanical & Electrical
	1.10	Continuity of Services (Shutdown & Notifications)
	1.14	Overtime Work
	1.15	Instruction to Owner's Personnel
	1.16	Operating and Maintenance Instructions
	1.17	Guarantee
	1.20	As-Built Drawings

8. Only plan holders who purchased bid document sets from Tetra Tech will receive ADDENDA.
9. The following items were discussed in greater detail.
 - A. Contractors may copy the Bid Form; submit in triplicate (three (3) copies).
 - B. Contractors shall identify the time of construction in their Bid Form. It is the intent of the project to be completed within four (4) months.
 - C. All discrepancies, questions or requests for clarifications or interpretations must be submitted to the Engineers office at least seven (7) days prior to bid due date (Thursday, July 2, 2015).
 - D. Requests for Substitutions must be submitted to the Engineer's Office at least ten (10) days prior to the bid due date (Monday, June 29, 2015).
 - E. Contractor must list themselves as the Subcontractor for all work which they propose to accomplish.
 - F. It was noted that for this Public Works Contracts, the Prime Contractor must perform at least 10% of the total bid price with their own forces, exclusive of administrative costs, purchasing of equipment, overhead or profit.
 - G. A Bid Security, in the amount of ten percent (10%) of the total amount of the Base Bid plus all additive alternates is required. As of now, there are no alternates.
 - H. Temporary heat should not be required on this project, as it is being done over the Summer and Fall.
 - I. Facility restrooms are not available. Port-O-Sans will be required. A-1 Sanitation is used at the Site.
 - J. Contractors shall submit a list of all proposed workers stating their social security number, driver's license number, age, sex, race and date of birth. List shall be used for a background check and shall be submitted at the Pre-Construction Meeting prior to the start of construction. Same applies to all Subcontractors.
 - K. Normal working hours are between 7:00 a.m. to 3:00 p.m., Monday thru Friday. Additional hours must be arranged in advance. Contractors must be at the Sally Port at 2:30. The Sally Port closes at 3:00 pm.

- L. No mingling with inmates.
- M. Contractors shall not bring glass or metal containers into the Facility; plastic only.
- N. Contractors are required to sign in at the Main Entrance each morning before driving through the gate. All Contractors shall enter and leave as a group with an escort (Maintenance Personnel or Correctional Officer). Allow a half (1/2) to one (1) hour to enter and leave the Facility.
- O. Gang boxes will be allowed to be stored in designated areas at the job site.
- P. A list of tools must be supplied with each truck and/or gang box. Inventory shall be taken by the Contractors at the end beginning and of each work day. Correctional Officers reserve the right to inspect and inventory all trucks. Report all missing tools immediately. Leave all unnecessary tools at the shop.
- Q. Trucks should be kept clean. Trash within the vehicle could increase the amount of time it takes the Correctional Officers to inspect the vehicles.
- R. All vehicles and tool boxes shall be locked at all times.
- S. Proper construction clothing is required. Short pants, open-toed shoes, and/or bare chests are not permitted.
- T. No dumping will be allowed on the project site. Trash, debris and waste must be removed from the compound daily and from the site as required or directed. Dumpster location to be coordinated at the Pre-Construction Meeting.
- U. The successful Contractor must submit certified weekly payroll receipts directly to the Delaware Department of Labor as required.
- V. Employee/Contractor/Subcontractor lunch breaks during normal working hours shall occur at the job site.
- W. Cells phones, if allowed, cannot have cameras in them. Special/written permission will be required for the Job Foreman to carry a cell phone or a lap top. Photographs of inmates is strictly prohibited.
- X. The State of Delaware Front End Specifications requires a two (2) year Warranty and Guarantee Period after acceptance by the Owner.
- Y. Under the State of Delaware Front End Specifications, the Performance and Labor & Material Payment Bonds shall be maintained in full force (warranty bond) for a period of two (2) years after the date of the Certificate for Final Payment.
- Z. Contractors are responsible for all permits.
- AA. The Contacts at Siemens (BAS Controls Contractors) are as follows:
 - Marc Robillard @ (410) 645-1565 ext. 1528
 - David Lawson @ (443) 324-9505
- AB. The main HVAC Equipment has been pre-ordered and includes the three (3) Air Handling Units, Energy Recovery Unit and Outdoor Packaged Air Cooled Chiller.

The purpose of this was to use the State of Delaware's purchasing power to get the shop drawings and equipment released a few weeks earlier.

It is the State of Delaware's intention to turn the accepted proposal over to the Bidding Contractors for inclusion into their bids.

The successful Contractor will be responsible to accept, handle and install the equipment and be responsible for start-up and warranty.

The Vendor's quote (York) is attached to this meeting report and addendum.

The Vendor (York) will also be providing to the Bidding Contractor's a quote for a 2nd Year of Warranty.

AC. The existing shingle roof is relatively new (one (1) year) and is still under warranty. Jotten Roofing was the installing Contractor. Engineer to provide further direction.

10. The Project Manual was reviewed in further detail. The following items were discussed:
 - A. No Addenda will be issued later than four (4) days prior to the date for receipt of Bids except an Addendum withdrawing the request for Bids or one which extends the time or changes the location for the opening of bids.
 - B. Each Bidder shall ascertain prior to submitting their Bid that they have received all Addenda issued, and shall acknowledge their receipt in the Bid in the appropriate space.
 - C. The Schedule of Values shall include a line item for the submission of the Project Closeout Documents. The value of this item shall be no less than 1% of the initial contract amount.
 - D. All utility shutdowns must be coordinated with DOC Maintenance. Provide at least a seventy-two (72) hour notice.
 - E. Contract time was discussed. Project must be completed within four (4) months.
 - F. Contractors were advised that only limited movement will be permitted while inside the compound.
11. The drawings were generally reviewed to present the intent of the Contract Documents. The following items were discussed in greater detail:
 - A. All sheets were reviewed and briefly discussed.
 - B. There is work throughout the building.
 - C. Work within the occupied area will be performed one area at a time. Occupants will be moved out of the area and relocated. Existing beds must be covered with poly when Contractors are working in the Dormitories.
12. A Site Review of the work area was not performed.
 - A. An additional site visit for Subcontractors has been scheduled for Tuesday, June 30, 2015 at 9:00 am. Provide advance notice of attendance and meet at the SCI Maintenance Building
13. Job Site Requirements
 - A. There is work throughout the building.
 - B. Work within the occupied area will be performed one area at a time. Occupants will be moved out of the area and relocated. Existing beds must be covered with poly when Contractors are working in the Dormitories.
 - C. Existing furniture, beds, food serving equipment must be covered with poly during the construction.
 - D. All areas must be vacuumed prior to the inmates/occupants moving back in at the end of the work day.

End of Pre-Bid Meeting Report

O:\Projects\Ann Arbor\IER\26912\200-26912-13018\ProjMgmt\Meetings\RE-BID Folder\26912-13018 Re-Bid-Prebid Meeting Report.doc



TETRA TECH

240 Continental Drive, Suite 200, Newark, Delaware 19713

PREBID MEETING SIGN-IN SHEET

SUSSEX CORRECTIONAL INSTITUTION

PROGRAMS BUILDING - A/C INSTALLATION

PROJECT NO.: 26912-14006

DATE: June 22, 2015

Name	Company	Physical Address	Telephone	Fax	e-mail
1 Edin Dubser	ITR		302-398-8101	398-9504	Edin@ITRbuild.com
2 Bill McLaughlin	EMJAY		302-419-5795	410-296-2430	McLaughlin@EMJAY.com
3 Steve Dennis	Schlusser		302-738-7333	302-738-5692	Steve@SchlussersAssociates.com
4 Rob Reilly	MERT		302-366-8601	302-368-4615	TR@MERT.com
5 JEFF WHITE	JOSEPH M. ZIMMER		410-546-5700	410-546-1328	JWHITE@JMAZ.com
6 Robert Robinson	OMR/DIM		302-535-3933		Robert.Robinson@OMR-DIM.com
7 Dan Seely	OPB/DEM				
8 Eric Swafford	Re				
9 Rick Ward	ROC				
10 Ron Zyzanski	ROC				
11					
12					
13					
14					

Sussex Correctional Institution
Programs Building - A/C Installation

26912-14006

Bids Due: **2:00 p.m., May 8, 2015 at**
State of Delaware, OMB/DFM
Facilities Management Office
Thomas Collins Building
540 S. DuPont Highway, Ste 1
Dover, DE 19901

REGISTER OF BID DOCUMENTS
PLEASE PRINT CLEARLY

\$ 100.00 per set

#01	<p>Name of Company: <u>Tetra Tech Office Copy</u></p> <p>Physical Address: _____ City, State: _____</p> <p>Contact: _____ GC: YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: _____</p> <p>Fax: _____ Date: _____</p> <p>E-Mail: _____</p>
#02	<p>Name of Company: <u>Joseph T. Richardson, Inc</u></p> <p>Physical Address: <u>105 Center Street</u> City, State: <u>Harrington, DE 19952</u></p> <p>Contact: <u>John Dunbar</u> GC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: <u>302-398-8101</u></p> <p>Fax: _____ Date: <u>4/16/2015</u></p> <p>E-Mail: <u>john@JTRMECH.net</u></p>
#03	<p>Name of Company: <u>Schlosser & Associates, Inc.</u></p> <p>Physical Address: <u>P.O Box 7984</u> City, State: <u>Newark, DE 19714</u></p> <p>Contact: <u>Chip Gruber</u> GC: YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: <u>302-738-7333</u></p> <p>Fax: _____ Date: _____</p> <p>E-Mail: _____</p>

Sussex Correctional Institution
Programs Building - A/C Installation

26912-14006

Bids Due: **2:00 p.m., May 8, 2015 at**
State of Delaware, OMB/DFM
Facilities Management Office
Thomas Collins Building
540 S. DuPont Highway, Ste 1
Dover, DE 19901

REGISTER OF BID DOCUMENTS
PLEASE PRINT CLEARLY

\$ 100.00 per set

#04	<p>Name of Company: <u>Merit Mechanical Company</u></p> <p>Physical Address: <u>39 Albe Drive</u></p> <p>City, State: <u>Newark, De 19702</u></p> <p>Contact: <u>John McGirk</u> GC: YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: <u>302-366-8601</u></p> <p>Fax: <u>302-368-3392</u> Date: _____</p> <p>E-Mail: <u>Jmcgirk@meritmech.com</u></p>
#05	<p>Name of Company: <u>Joseph M. Zimmer, Inc.</u></p> <p>Physical Address: <u>2225 Northwood Drive</u></p> <p>City, State: <u>Salisbury, MD 21801</u></p> <p>Contact: <u>Jeff White</u> GC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: <u>410-546-5700</u></p> <p>Fax: _____ Date: _____</p> <p>E-Mail: <u>jeff.white@jmz.com</u></p>
#06	<p>Name of Company: <u>EmJay Engineering & Construction</u></p> <p>Physical Address: <u>1706 Whitehead Rd.</u></p> <p>City, State: <u>Baltimore, MD 21207</u></p> <p>Contact: <u>Bill McLaughlin</u> GC: YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: <u>302-419-5999</u></p> <p>Fax: <u>MclaughlinB@emjaycons.com</u> Date: _____</p> <p>E-Mail: _____</p>

SECTION 00 01 15 - LIST OF DRAWINGS

CS001	COVER SHEET
SP101	SITE PLAN
SP401	PARTIAL SITE PLAN
M-001	LEGEND, ABBREVIATIONS AND GENERAL WORK NOTES
MD101	1ST FLOOR PLAN - MECHANICAL REMOVAL WORK – SHEETMETAL AND PIPING
MD102	ATTIC PLAN - MECHANICAL REMOVAL WORK – SHEETMETAL AND PIPING
MD401	PARTIAL 1ST FLOOR & ATTIC PLANS - MECHANICAL REMOVAL WORK
M-101	1ST FLOOR PLAN - MECHANICAL NEW WORK – SHEETMETAL AND PIPING
M-102	ATTIC PLAN - MECHANICAL NEW WORK – SHEETMETAL
M-103	ATTIC PLAN – MECHANICAL NEW WORK – PIPING
M-401	PARTIAL 1ST FLOOR & ATTIC PLANS - MECHANICAL NEW WORK
M-501	SCHEDULES AND DETAILS
M-601	AIR FLOW DIAGRAM
M-602	WATER FLOW DIAGRAM
M-603	DETAILS
M-701	AIR COOLER CHILLER CONTROL
M-702	BOILER CONTROLS
M-703	AIR HANDLING UNIT CONTROLS
M-704	VARIABLE AIR VOLUME (VAV BOX CONTROLS)
E-001	LEGEND, ABBREVIATIONS, AND GENERAL & WORK NOTES
E-401	PARTIAL FLOOR PLANS - ELECTRICAL REMOVAL AND NEW WORK
E-402	PARTIAL ELECTRICAL SITE PLAN AND PARTIAL BOILER ROOM PLANS
E-601	SINGLE LINE DIAGRAMS - REMOVAL AND NEW WORK
E-602	SCHEDULES

END OF SECTION 00 01 15



Date: April 17, 2015
To: Tetra Tech
Attention: Scott Parlow
Subject: Sussex Correctional Institution
Boot Camp Programs Building Conversion
Addendum: 1

We offer to furnish the following equipment and services at prices stated and according to the equipment manufacturer's standard terms and conditions. All warranties are provided by the equipment manufacturer unless otherwise noted. All warranties are parts only for a period of 12 months unless otherwise noted.

SCOPE SUMMARY

Item	Qty	Tag	Manufacturer	Description
A	1	CH-1	JOHNSON CONTROLS	Air Cooled Scroll Chiller
B	3	AHU-1, 2, 3	JOHNSON CONTROLS	Air Handling Units
C	1	ERU-1	JOHNSON CONTROLS	Energy Recovery Unit

BASE BID \$82,000.00
BASE RAILS \$ 1,510.00

Accepted Bid \$83,510.00

Project: Sussex Correctional Institution Boot Camp Programs Building Conversion
Date: 04/17/15

c/o Building Systems & Services
1504 Kirkwood Highway – Wilmington, DE 19805
Telephone: 302-996-0900 Fax: 302-996-0999
Page 1 of 8



SCOPE DETAIL

Item A

Furnish one (1) JOHNSON CONTROLS Air Cooled Scroll Chiller

Tag: CH-1

Options/Accessories:

- Single point power connection with:
 - 208/3/60
 - Non-fused disconnect switch
 - Non-powered GFI service outlet
- Microprocessor control panel with keypad and display
- Control transformer
- BACnet interface to building automation system
- 95% power factor capacitors
- R-410A refrigerant
- Brazed stainless steel plate and frame evaporator heat exchanger
- 3/4" closed cell foam evaporator insulation
- Scroll compressors
- Compressor isolation valves
- Two independent refrigerant circuits
- 6 staged capacity control
- Hot gas bypass
- Air cooled condenser with:
 - "Micro-channel" coil
 - Corrosion protection coating
 - Hail guards
 - Direct drive condenser fans/motors
 - 0°F low ambient control
- Sound attenuation package with:
 - Ultra-quiet condenser fans
 - Compressor sound blanket
- Wire compressor enclosure and louvered condenser enclosure
- Chilled water flow switch

Project: Sussex Correctional Institution Boot Camp Programs Building Conversion

Date: 04/17/15

c/o Building Systems & Services
1504 Kirkwood Highway – Wilmington, DE 19805
Telephone: 302-996-0900 Fax: 302-996-0999



- External 1" housed spring vibration isolation mounts
- Manufacturer's five (5) year compressor parts warranty
- Manufacturer's first year full unit parts and labor warranty
- Startup service

Items not included:

- Any ATC other than items specifically listed above
- Any external vibration isolation other than items specifically listed above

Item B

Furnish three (3) JOHNSON CONTROLS Air Handling Units

Tag: AHU-1, 2, 3

Options/Accessories:

- Max 1% air leakage at +/- 8" total static pressure
- Max L/240 panel deflection at +/- 8" total static pressure
- Double wall construction with:
 - G90 galvanized steel exterior and interior
- 2" foam panel, R-13 insulation
- Hinged, double wall access doors
- Fan section service lighting with:
 - Single on/off switch
 - Vapor proof fixtures
 - Incandescent lights
- Single point power connection with:
 - 208/3/60
 - Non-fused disconnect switch
- Combination mixing box and filter section with:
 - Outside/Return air dampers
 - MERV 8 filters
 - Magnehelic filter gauge
 - Side loaded
 - Hinged access door(s)
- Coil section with:
 - IAQ stainless steel drain pan with mastic coating

Project: Sussex Correctional Institution Boot Camp Programs Building Conversion

Date: 04/17/15

c/o Building Systems & Services
1504 Kirkwood Highway – Wilmington, DE 19805

Telephone: 302-996-0900 Fax: 302-996-0999



- Preheat hot water coil
- Coil spacer
- Chilled water coil
- Hinged access door(s)
- Supply fan section with:
 - DWDI centrifugal fan
 - 2" deflection internal spring vibration isolation
 - Adjustable belt drive (AHU-2, 3)
 - Fixed belt drive (AHU-1)
 - Extended lube lines
 - Premium efficiency TEFC motor
 - Inverter duty rated motor
 - Hinged access door(s)
- Factory packaged controls including:
 - Outside/return air damper actuator
- Unit shipped in sections for field assembly by mechanical contractor
- Manufacturer's first year full unit parts and labor warranty
- Startup service

Items not included:

- Any ATC other than items specifically listed above
- Any external vibration isolation other than items specifically listed above

Item C

Furnish one (1) JOHNSON CONTROLS Energy Recovery Unit

Tag: ERU-1

Options/Accessories:

- Indoor application
- Single point power connection with:
 - 208/3/60
- 24V control transformer
- Galvanized steel casing with manufacturer's standard finish
- Access doors
- Total enthalpy energy recovery wheel

Project: Sussex Correctional Institution Boot Camp Programs Building Conversion
Date: 04/17/15

c/o Building Systems & Services
1504 Kirkwood Highway – Wilmington, DE 19805
Telephone: 302-996-0900 Fax: 302-996-0999
Page 4 of 8



- Manufacturer's standard start-stop-jog control for defrost and economizer sequence of operation
- MERV 5 air filters
- DWDI centrifugal supply fan
 - Adjustable belt drive
 - Premium efficiency motor
- DWDI centrifugal exhaust fan
 - Adjustable belt drive
 - Premium efficiency motor
- Unit ships in one piece (60.00" L x 52.69" W x 57.37" H) to fit through double doors or outside air louver
 - Unit capacity slightly less than specified to use this cabinet size option
- Manufacturer's five (5) year wheel parts warranty
- Manufacturer's first year full unit parts warranty

Items not included:

- Any ATC other than items specifically listed above
- Any external vibration isolation other than items specifically listed above
- Disconnect switch
- Startup service
- Labor warranty

Project: Sussex Correctional Institution Boot Camp Programs Building Conversion
Date: 04/17/15

c/o Building Systems & Services
1504 Kirkwood Highway – Wilmington, DE 19805
Telephone: 302-996-0900 Fax: 302-996-0999
Page 5 of 8



SPECIFICATION COMPLIANCE STATEMENTS

Specification Section 236423 Scroll Air Cooled Water Chillers

JOHNSON CONTROLS Clarifications and Exceptions

Spec Section	Spec language	Clarification or Exception
2.1/K/11/b	Powered GFI Duplex Receptacle	Non-powered GFI duplex receptacle provided.
2.1/H/5/b	Capacity Control	6 staged capacity control exceeds specified 4 staged capacity control. Optional deduct for hot gas bypass provided.
1.4/A	Warranty	Manufacturer's first year full unit parts and labor warranty provided in addition to specified five (5) year compressor parts warranty.

Specification Section 237313 Modular Indoor Central Station Air Handling Units

JOHNSON CONTROLS Clarifications and Exceptions

Spec Section	Spec language	Clarification or Exception
2.2/A/5	Factory Finish	Manufacturer's standard galvanized steel finish provided.
2.2/C/3/c	Access Door Width	Minimum access door width is 18".
2.2/D/3	Drain Pan Construction	IAQ stainless steel drain pan with mastic coating provided.
2.5/A/2 2.5/B/4	Filtration Requirements	2" pleated, MERV 8 filters provided.
	Warranty	Manufacturer's first year full unit parts and labor warranty provided.

Project: Sussex Correctional Institution Boot Camp Programs Building Conversion

Date: 04/17/15

c/o Building Systems & Services
1504 Kirkwood Highway – Wilmington, DE 19805
Telephone: 302-996-0900 Fax: 302-996-0999



**Specification Section 237200 Air-to-Air Energy Recovery Equipment
JOHNSON CONTROLS Clarifications and Exceptions**

Spec Section	Spec language	Clarification or Exception
1.4/A	Warranty	Manufacturer's five (5) year wheel parts warranty provided.
2.1/F	Variable Frequency Controller	Manufacturer's standard start-stop-jog control for defrost and economizer sequence of operation provided.
	Shipping Splits (Addendum 1)	Unit ships in one piece to fit through double doors or existing outside air louver. Unit capacity slightly less than specified to use this cabinet size option.

**Specification Section 237200 Air-to-Air Energy Recovery Equipment
(Optional) GREENHECK Clarifications and Exceptions**

Spec Section	Spec language	Clarification or Exception
1.4/A	Warranty	Manufacturer's five (5) year wheel parts warranty provided.
	Shipping Splits (Addendum 1)	Unit shipped in sections for field assembly by mechanical contractor.

WARRANTY

Air Cooled Scroll Chiller (CH-1)

- Manufacturer's five (5) year compressor parts warranty
- Manufacturer's first year full unit parts and labor warranty

Air Handling Units (AHU-1, 2, 3)

- Manufacturer's first year full unit parts and labor warranty

Energy Recovery Unit (ERU-1)

- Manufacturer's five (5) year wheel parts warranty
- Manufacturer's first year full unit parts warranty

Project: Sussex Correctional Institution Boot Camp Programs Building Conversion
Date: 04/17/15

c/o Building Systems & Services
1504 Kirkwood Highway – Wilmington, DE 19805
Telephone: 302-996-0900 Fax: 302-996-0999
Page 7 of 8



LEAD TIME

Lead time for approval shop drawings is 1 day after notification of award of order.

Air Cooled Scroll Chiller (CH-1)

- Unit will ship from the factory in 6 weeks after date of release for fabrication.

Air Handling Units (AHU-1, 2, 3)

- Units will ship from the factory in 6 weeks after date of release for fabrication.

Energy Recovery Unit (ERU-1)

- Unit will ship from the factory in 7 weeks after date of release for fabrication.

PRICE

The total price for the above equipment and services is **\$ 82,000** net 30 days, FOB factory, freight prepaid and allowed, less any applicable taxes.

Optional Price Add for GREENHECK in lieu of JOHNSON CONTROLS Energy Recovery Unit (Tag: ERU-1) is **\$ 15,000**.

Optional Price Deduct for Chiller Power Factor Capacitors is **\$ 2,900**.

Optional Price Deduct for Chiller Hot Gas Bypass is **\$ 400**.

SUMMARY

Thank you for this opportunity to offer the above equipment and services. Please call me if there are any questions with this proposal.

Sincerely,

Courtney H. Bauer
Sale Engineer

Project: Sussex Correctional Institution Boot Camp Programs Building Conversion
Date: 04/17/15

c/o Building Systems & Services
1504 Kirkwood Highway – Wilmington, DE 19805
Telephone: 302-996-0900 Fax: 302-996-0999
Page 8 of 8